

a frame fixing body [for tensioning] configured to tension said shadow mask[;], wherein [the] a shortest distance t_M from [the] an outermost end of a main frame welded to said shadow mask to [the] an interface between the effective area and the non-effective area and [the] a width t_W of [the] a mask welding part formed at [the] an upper part of said main frame [have the relation of] satisfy the following equation: $0.14 \leq \frac{t_W}{t_M} \leq 1.0$.

2. (Amended) [A] The shadow mask assembly according to claim 1, wherein said shadow mask is welded to the outermost end of said main frame [in the] along an effective area side direction within [the] a range of $t_W/2$ to t_W [which is the shortest distance between the effective area and the non-effective area of said shadow mask].

3. (Amended) [A] The shadow mask assembly according to claim 1, wherein said main frame and said shadow mask are [weld] welded in [the] a range of $0.30 \leq \frac{t_M}{t_W} \leq 0.99$.

4. (Amended) [A] The shadow mask assembly according to claim 3, wherein [said main frame has] the upper part [as] of the main frame comprises the welding part width t_W and one side of the mainframe is inwardly sloped [about] toward said shadow mask so that [the] a side cross section of the main frame has [the] upper and lower surfaces [being] parallel [with] to each other.

5. (Amended) [A] The shadow mask assembly according to claim 3, wherein said main frame is made of a plate, [in] of which the upper part is bent to [have] form the mask welding part having the width t_w and the lower part [is] extends perpendicular to the upper part and has one end bent parallel [with] to the mask welding [width] part and the other end bent again to closely contact with the perpendicular part to form a slope inward to said shadow mask.

6. (Amended) A shadow mask assembly comprising:
a rail [as] forming a frame [fixed with frit glass along each rear side of a panel]; and
a shadow mask welded and tensioned at [the] a rear surface of said rail[;], wherein
[the] a rear surface of said rail is defined by a welding width t_w in [the] a range of $0.14 \leq \frac{t_w}{t_M} \leq 1.0$,
and wherein t_M is [the] a shortest distance from [the] an outermost end of said rail to [the] an
interface between an effective area and a non-effective area of said shadow mask.

7. (Amended) [A] The shadow mask assembly according to claim 6, wherein said shadow mask is welded to the rear of said rail in [the] a range of $t_w/2$ to t_w .

8. (Amended) The shadow mask assembly according to claim 6, wherein said rail and said shadow mask are in [the] a range of $0.30 \leq \frac{t_M}{t_w} \leq 0.99$.

Clean Set of Amended Claims

1. (Amended) A shadow mask assembly, comprising:
a shadow mask having an effective area and a non-effective area; and
a frame fixing body configured to tension said shadow mask, wherein a shortest distance t_M from an outermost end of a main frame welded to said shadow mask to an interface between the effective area and the non-effective area and a width t_W of a mask welding part formed at an upper part of said main frame satisfy the following equation: $0.14 \leq \frac{t_W}{t_M} \leq 1.0$.

2. (Amended) The shadow mask assembly according to claim 1, wherein said shadow mask is welded to the outermost end of said main frame along an effective area side direction within a range of $t_W/2$ to t_W .

3. (Amended) The shadow mask assembly according to claim 1, wherein said main frame and said shadow mask are welded in a range of $0.30 \leq \frac{t_M}{t_W} \leq 0.9$.

4. (Amended) The shadow mask assembly according to claim 3, wherein the upper part of the main frame comprises the welding part width t_W and one side of the mainframe is inwardly sloped toward said shadow mask so that a side cross section of the main frame has upper and lower surfaces parallel to each other.

5. (Amended) The shadow mask assembly according to claim 3, wherein said main frame is made of a plate, of which the upper part is bent to form the mask welding part having the width t_w and the lower part extends perpendicular to the upper part and has one end bent parallel to the mask welding part and the other end bent again to closely contact with the perpendicular part to form a slope inward to said shadow mask.

6. (Amended) A shadow mask assembly comprising:

a rail forming a frame; and

a shadow mask welded and tensioned at a rear surface of said rail, wherein a rear

surface of said rail is defined by a welding width t_w in a range of $0.14 \leq \frac{t_w}{t_M} \leq 1.0$, and wherein

t_M is a shortest distance from an outermost end of said rail to an interface between an effective area and a non-effective area of said shadow mask.

7. (Amended) The shadow mask assembly according to claim 6, wherein said shadow mask is welded to the rear of said rail in a range of $t_w/2$ to t_w .

8. (Amended) The shadow mask assembly according to claim 6, wherein said rail and said shadow mask are welded in a range of $0.3 \leq \frac{t_M}{t_w} \leq 0.99$.

B. Please add new claims 9-16 as follows:

9. (New) A cathode ray tube comprising the shadow mask assembly of claim 1.
10. (New) The shadow mask assembly according to claim 1, wherein the effective area comprises slots and the non-effective area is without slots.
11. (New) The shadow mask assembly according to claim 10, wherein the non-effective area extends from a periphery of the effective area.
12. (New) The shadow mask assembly according to claim 1, wherein the mask welding part comprises a portion of the shadow mask welded to the upper part of the main frame along a full length and width of the upper part.
13. (New) A cathode ray tube comprising the shadow mask assembly of claim 6.
14. (New) The shadow mask assembly according to claim 6, wherein the effective area comprises slots and the non-effective area is without slots.
15. (New) The shadow mask assembly according to claim 14, wherein the non-effective area extends from a periphery of the effective area.

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16. (New) The shadow mask assembly according to claim 6, wherein the mask welding part comprises a portion of the shadow mask welded to the upper part of the main frame along a full length and width of the upper part.
